

SEQUENCE LISTING

<110> Levy, Gary

Clark, David A.

<120> Methods of Modulating Immune Coagulation

<130> 9579-14

<140> US 09/442,143

<141> 1999-11-15

<150> US 60/046,537

<151> 1997-05-17

<150> US 60/061,684

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cggaccctca aggaagcagt ggacagtctg aagaaatcct gccaggactg taagttgcag 300
gctgacgacc atcgagatcc cggcgggaat ggagggaatg gagcagagac agccgaggac 360
agtagagtcc aggaactgga gagtcaggtg aacaagctgt cctcagagct gaagaatgca 420
aaggaccaga tccaggggct gcaggggcgc ctggagacgc tccatctggt aaatatgaac 480
aacattgaga actacgtgga caacaaagtg gcaaatctaa ccgttgtggt caacagtttg 540
gatggcaagt gttccaagtg tcccagccaa gaacacatgc agtcacagcc gg 592

<210> 6

<211> 613

<212> DNA

<213> Homo sapiens

<400> 6

atgaagctgg ctaactggta ctggttgagc tcagctgttc ttgccactta cggttttttg 60
gttgtggcaa acaatgaaac agaggaaatt aaagatgaaa gagcaaagga tgtctgcccc 120
gtgagactag aaagcagagg gaaatgcgaa gaggcagggg agtgccccta ccaggtaagc 180
ctgccccct tgactattca gctcccgaag caattcagca ggatcgagga ggtgttcaaa 240

ca¹

ck

gaagtccaaa acctcaagga aatcgtaa atgtctaaaga aatcttgcca agactgcaag 300
 ctgcaggctg atgacaacgg agaccagggc agaaacggac tgttggtacc cagtacagga 360
 gccccgggag aggttggtga taacagagtt agagaattag agagtggagt taacaagctg 420
 tcctctgagc taaagaatgc caaagaggag atcaatgtac ttcattggctg cctggagaag 480
 ctgaatcttg taaatatgaa caacatagaa aattatgttg acagcaaagt ggcaaactta 540
 acatttggtg tcaatagttt ggatggcaaa tgttcaaagt gtcccagcca agaacaata 600
 cagtcacgtc cag 613

<210> 7

<211> 707

<212> DNA

<213> Murine

C21

<400> 7

ttcaacatct aatatacaaa gattgttccg accactacgt gctaggaagg agaagcagtg 60
 gggcctacag agttaccctt gatcacagaa acagcagctt tgagggtctac tgtgacatgg 120
 agaccatggg tggaggctgg acggtgctgc aggtctgcct tgatggcagc accaacttca 180
 ccagagagtg gaaagactac aaagccggct ttggaaacct tgaacgagaa ttttggttgg 240
 gcaacgataa aattcatctt ctgaccaaga gtaaggaaat gattttgaga atagatcttg 300
 aagactttta tgggtctcaca ctttatgcct tgtatgatca gttttatgtg gctaataaat 360
 ttctcaaata ccgattacac atcggtaact acaatggcac ggcaggggat gccttgctgt 420
 tcagtcgaca ctacaacat gacctgaggt ttttcacaac cccagacaga gacaacgatc 480
 ggtacccttc tgggaactgt gggctctatt acagctcagg ctggtgggtt gattcatgtc 540
 tctctgcaa cttaaatggc aaatattacc accagaaata caaagggtgtc cgtaattggga 600
 ttttctgggg cacctggcct ggtataaacc aggcacagcc aggtgggtac aagtcctcct 660
 tcaaacaggc caagatgatg attaggccca agaatttcaa gccataa 707

<210> 8

<211> 707

<212> DNA

<213> Homo sapiens

<400> 8

49

C

ttcaacatct aatatataaa gattgctctg actactacgc aataggcaaa agaagcagtg 60
agacctacag agttacacct gatcccaaaa atagtagctt tgaagtttac tgtgacatgg 120
agaccatggg gggaggctgg acagtgtctg aggcacgtct cgatgggagc accaacttca 180
ccagaacatg gcaagactac aaagcaggct ttggaaacct cagaagggaa ttttggctgg 240
ggaacgataa aattcatctt ctgaccaaga gtaaggaaat gattctgaga atagatcttg 300
aagactttta tgggtgtcgaa ctatatgcct tgtatgatca gttttatgtg gctaagtgtg 360
ttctcaaata tcgtttacac gttggtaact ataatggcac agctggagat gcattacgtt 420
tcaacaaaca ttacaaccac gatctgaagt ttttcaccac tccagataaa gacaatgatc 480
gatatccttc tgggaactgt gggctgtact acagttcagg ctggtgggtt gatgcatgtc 540
tttctgcaaa cttaaattgc aaatattatc accaaaaata cagaggtgtc cgtaatggga 600
ttttctgggg tacctggcct ggtgtaagtg aggcacaccc tgggtggctac aagtcctcct 660
tcaaagaggc taagatgatg atcagaccca agcactttta gccataa 707

C27

<210> 9
<211> 1052
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is any nucleic acid

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is any nucleic acid

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is any nucleic acid

<220>
<221> misc_feature
<222> (505)..(505)
<223> n is any nucleic acid

<220>
<221> misc_feature
<222> (524)..(524)
<223> n is any nucleic acid

C21

<220>
<221> misc_feature
<222> (668)..(668)
<223> n is any nucleic acid

<400> 9
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tcatagctaa aaaatgatgt ctgacggcta gggtcttatg ctacacagca ttgaaaataa 180
agctgaaaaa caatgcattt taaaggagtc ctttggtggt atgctgttat ccaatgaaca 240
cttgcaagca attagcaata ttgagaatta tacattagat ttacaattct tttaatttct 300
attgaaactt tttctattgc ttgtattact tgctgtattt aaaaaataat tgttggtctgg 360
gtgtggttagc tcacgcctgt aatnccagca ctttggaatg tcaaggcagg cagatcactt 420
gaggtcagga gtttgagacc agcctggcca aacatgtgaa acgctgtntn tattaataat 480
acaaaaatta gccgggcatg gtggnacatg cctgtaatcc tagntacttg ggaggctgag 540
gcaggagaat cgcttgaacc tgagaggaag aggttgcagt gagccaagaa tgagccactg 600
cactccagca tgggtgacag agaaaactct gtctcaaaca aaaaaataat aaaatttatt 660
cagtaggntg gattctacac aaagtaatct gtatttgggc catgatttaa gcacatctga 720
aggtatatca ctcttttcag gctataatta tttgggtaat cttcattctg agacaaactt 780
aatctatatc atttactttg caacagaaca accctacagc attttgggtc ccagactaag 840
ggaactaata tctatataat taaacttggt catttatcat tcatgaaata taaaatactt 900

gtcattttaa ccgttttaa atgtggtagc ataatgtcac cccaaaaagc attcagaaag 960
 caatgtaact gtgaagacca gggttttaa gtaattcatt tatagtttat aactccttag 1020
 atgtttgatg ttgaaaactg ctttaacatg aa 1052

<210> 10
 <211> 1339
 <212> DNA
 <213> Murine

C27

<400> 10
 tcggtttggg tatcatggga tggaatgaga agggaaagta ggagcccagag agtgcggtaa 60
 gacaaggcat aaggcgtgtc tgacaaattc ttcatacaca catttcccct ttgcacattc 120
 agtctgtata ggttatttct ataggagaaa aaaaatattc aaattccttg tgcactggta 180
 acaggcatga aggctcagca aagccaatac gtgttatgtc cagttggaga cagtgccagg 240
 gccaacattc cagacttctc agatagaaag tgcgcctgcc tgccctgctc tgagaatttg 300
 aagagagtag ttcagttaga attaagaggc agtagagaaa agtcttggga aatctggtta 360
 gagatataaa tatgagaact ggacatgggt gtacacacct gtgatctctg tgtttaggag 420
 ggagaggcag agagatcagg agttcaaggc cagcctgagc tacttgagac ccagtctaaa 480
 taaataagag atagattaca gagtgccttt aactagtaca gagaaagaat ttgggtttat 540
 ctgtgtcagt tacgctgaaa taatttttaa gtaataaaat cccttttaat aagaaacctt 600
 atgaggtcag tatgcacaat gaacttaaga gagaccccca gtcctgagc tgagtgatgg 660
 ggaaggacag ccactgcctg tgatgtgtga gtgacgtgct tccaagtgtt ttaaccactg 720
 acgattacat agcctgcaca gtcaggagaa aacagccgta ttctctgcca gttctcttcc 780
 cttttacaaa cagatgagag acacacacag agaatccatt taaagagcgg acctttgttc 840
 tgattagggg caattttaag tacttaagag ttcacacaaa gtctagcctt caaaaagaaa 900
 acaggttccc aaactaggga ggaaacagaa tcatttccat ttggttgaca tttagtggga 960
 agaagctcac agacatttag acgttccaac tctttcccca ctagtggacc aagtatataa 1020
 tatggtatct tttgggcact ggtattacaa ctgtttttta aacaaaagac tttccttggt 1080
 ctttactaaa aaccagacg gtgaatcttg aatacaatgc gtggcaccca cggcaggcat 1140
 tctattgtgc atagttttga ctgacaggag atgacagcat ttggtgggt gcgcttgctg 1200
 aggaccctct cctcctgtgt ggcgtctgag actgtgatgc aaatgcgccc gcccttttct 1260
 gggaactcag aacgcctgag tcaggcggcg gtggctatta aagcgctgg tcaggctggg 1320
 ctgccgcact gcaaggatg 1339

<210> 11
<211> 1338
<212> DNA
<213> Homo sapiens

C27

<400> 11
taggggttgga agccaggtct cctgagtatg cgagaataaa tacagtcatg gaagtgtaaa 60
gagtctgccca acatttttgag aatgtgaata ggatttggct aaaattaagg ggatatacag 120
aaaagtcata ggaaatcagg ttaaagacat aaatatgaga taggctacag agtggttttaa 180
gtaatacaat aaaacattta gatttttggc catgtcagtc attttgaaat tattttttaa 240
gcaaaaaaac cttttttaa caagaaatct tatgagatgt caatatgcaa aacaaattaa 300
aaggaggtgg tttctctaac tgaagctgtt cctctttcct gccttcagcc tctgaagaga 360
aagttagaaa actattatca ttaatgctac atgttttgaa caagctgata taccaagtgg 420
cccagagagc aggtagaaga accagcgtgg agacagaaag caagaggccc gcctgccagg 480
gctacctgca gaaagaaagg gcaaagatgc tgtaggcaag agaagttcag gacagacact 540
ggcatagctc aaagattcac atttgagcag ctgtggaaga tgacagtaca ataccaaaat 600
gtcgaagggc aaaggaggca gctactgggt ttgatgaaag acaattatgt ctttttaa 660
gggtcttaga catttagaca tttatataca ctatgctacg gacaaaggaa tagaaagtag 720
cacttttttc tccactagtt ttcttctctt tttcaagtag atgaagcaaa agtcaactgc 780
aatagtcaga aagctgtact ttgttacact tagaaacttc taaaagtgc taagatttca 840
cctgaaagtc caacatgaag aaaatacagg ctccccaatg cccatttcta agaagaaaaa 900
ggaccatttt catttttagta acgtttctgt tctatagaca gtttgataa ctagctctta 960
ctttttatct ttaaaaactg tttttccagt gaagttacgt ataattattt acttcaagcg 1020
tagtatacca aattacttta gaaatgcaag acttttctta tacttcataa aatacattat 1080
gaaagtgaat cttgttggt gtgtacattt gactataata atttcaatgc atattatttc 1140
tattgagagt aagttacagt ttttggcaaa ctgcgtttga tgagggtat ctctcttcc 1200
tgtgcgtttc taaaacttgt gatgcaaagc ctcccacct ttcctgggaa cacagaaagc 1260
ctgactcagg ccatggccgc tattaaagca gctccagccc tgcgcactcc ctgctgggtg 1320
agcagcactg taaagatg 1338

<210> 12
<211> 1339

<212> DNA

<213> Homo sapiens

<400> 12

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gagtctgccca acattttgag aatgtgaata ggatttggct aaaattaagg ggatatacag 120
aaaagtcata ggaaatcagg ttaaagacat aaatatgaga taggctacag agtggttttaa 180
gtaatacaat aaaacattta gatttttgcc catgtcagtc attttgaaat tattttttaa 240
gcaaaaaaac cttttttaa caagaaatct tatgagatgt caatatgcaa aacaaattaa 300
aaggaggtgg tttctctaac tgaagctgtt cctctttcct gccttcagcc tctgaagaga 360
aagttagaaa actattatca ttaatgctac atgttttgaa caagctgata taccaagtgg 420
cccagagagc aggtagaaga accagcgtgg agacagaaag caagaggccc gcctgccagg 480
gctacctgca gaaagaaagg gcaaagatgc tgtaggcaag agaagttcag gacagacact 540
ggcatagctc aaagattcac atttgagcag ctgtggaaga tgacagtaca attacaaaa 600
tgtogaaggg caaaggaggc agctactggt tttgatgaaa gacaattatg tcctttttaa 660
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gcactttttt ctccactagt tttcttctct ttttcaagta gatgaagcaa aagtcaactg 780
ccaatagtca gaaagctgta ctttggtaca cttagaaact tctaaaagtg ctttaagattt 840
cacctgaaac gccaacatga agaaaataca ggctcccaa tgccccattc taagaagaaa 900
aaggaccatt ttcatttttag taacgtttct gttctataga cagtttggat aactagctct 960
tactttttat ctttaaaaac tgtttttcca gtgaagttac gtataattat ttacttcaag 1020
cgtagtatac caaattactt tagaaatgca agacttttct tatacttcat aaaatacatt 1080
atgaaagtga atcttggttg ctgtgtacat ttgactataa taatttcaat gcatattatt 1140
tctattgaga gtaagttaca gtttttggca aactgcgttt gatgagggct atctcctctt 1200
cctgtgcgtt tctaaaactt gtgatgcaaa cgctcccacc ctttcctggg aacacagaaa 1260
cgctactcag gcacgtgccg gtattaaagc agctccagcc ctgcgcactc cctgctgggt 1320
gagcagcact gtaaagatg 1339

C27

<210> 13

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (265)..(265)

<223> n is any nucleic acid

<400> 13

ccaagtatat aatatggtat cttttgggca ctggtattac aactgttttt taaacaaaag 60
actttccttg tgctttacta aaaaccaga cggtgaatct tgaatacaat gcgtggcacc 120
cacggcaggc attctattgt gcatagtttt gactgacagg agatgacagc atttggctgc 180
gtgcgcttgc tgaggaccct ctctcctgt gtggcgtctg agactgtgat gcaaatgcgc 240
ccgccctttt ctgggaactc agaangcctg agtcaggcgg cggtggtctat taaagcgcct 300
ggtcaggctg ggctgccgca ctccaagg 328

C27

<210> 14

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 14

caaaagaagc agtgagacct aca 23

<210> 15

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 15

ttatctggag tggtagaaaaa ctt 23

<210> 16

AB

17

<211> 22
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer

<400> 16
gcaaacaatg aaacagagga aa

22

<210> 17
<211> 24
<212> DNA
<213> Artificial Sequence

C27

<220>

<223> Primer

<400> 17
attgccctat tagataacga atac

24

<210> 18
<211> 15
<212> PRT
<213> Homo sapiens

<400> 18

Asp Arg Tyr Pro Ser Gly Asn Cys Gly Leu Tyr Tyr Ser Ser Gly
1 5 10 15

<210> 19
<211> 7
<212> DNA
<213> Artificial Sequence

<220>

C27

19

<223> API motif

<220>

<221> misc_feature

<222> (4)..(4)

<223> n is G or C

<400> 19
tgantca

7

<210> 20

<211> 22

<212> DNA

<213> Artificial Sequence

C2?

<220>

<223> Primer

<400> 20
gaaatacaaa aaccgcagaa gg

22

<210> 21

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 21
tcttgggaaa tctggttaga g

21

<210> 22

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

G15

C

<223> Primer

<400> 22
gagctgagtg atggggaagg a

21

<210> 23

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 23
gggcactggt attacaactg t

21

C27

<210> 24

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 24
ctcctcctgt gtggcgtctg a

21

<210> 25

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 25
ggataaggag ggcagggtga a

21

<210> 26

<211> 21
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer

<400> 26
acagttgtaa taccagtgcc c

21

<210> 27

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 27
aacggagacc caggcagaaa c

21

<210> 28

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 28
cttcgggagc tgaatagtca a

21

<210> 29

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

C27

an

e

~~85~~
23

<223> Primer

<400> 29
gacagcaaag tggcaaattct a

21

<210> 30

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 30
ttctggtgaa gttggtgctc c

21

<210> 31

<211> 23

<212> DNA

<213> Artificial Sequence

C27

<220>

<223> Primer

<400> 31
caaaagaagc agtgagacct aca

23

<210> 32

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 32
tgaccaagag taaggaaatg a

21

<210> 33

58

!

24

<211> 22
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer

<400> 33
tgactgtatt tgttcttggc tg

22

<210> 34

<211> 21

<212> DNA

<213> Artificial Sequence

C27

<220>

<223> Primer

<400> 34
ttctgggaac tgtgggctgt a

21

<210> 35

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 35
ccagcttcat ctttacagt

19

<210> 36

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

69

0

25

<223> Primer

<400> 36
aatcactctg ttcattcctc c

21

<210> 37

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 37
gaaataatat gcattgaaa

19

<210> 38

<211> 19

<212> DNA

<213> Artificial Sequence

C27

<220>

<223> Primer

<400> 38
aacgcacagg aagaggaga

19

<210> 39

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 39
ttgacatcct ttgagatat

19

<210> 40

100

2

<211> 17
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer

<400> 40
atgggggcatt ggggagc

17

<210> 41
<211> 19
<212> DNA
<213> Artificial Sequence

C27

<220>

<223> Primer

<400> 41
ggctatctcc tcttctgt

19

<210> 42
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer

<400> 42
tgagctatgc cagtgtctgt

20

<210> 43
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

101

3

<223> Primer

<400> 43
caagcgtagt ataccaaat

19

<210> 44

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 44
aaggcaggaa agaggaac

18

<210> 45

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 45
gacaaaggaa tagaaagtag c

21

<210> 46

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 46
cagggcaaaa atctaaatg

19

<210> 47

C27

107

C

28

<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer

<400> 47
gcccagagag caggtagaa

19

<210> 48
<211> 18
<212> DNA
<213> Artificial Sequence

C27

<220>

<223> Primer

<400> 48
ccagccaggg ttgaaata

18

<210> 49
<211> 18
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer

<400> 49
gccctgtcag tcattttg

18

<210> 50
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

103

2

-27-
26

<223> Primer

<400> 50
aaaaacctac cagtagtct

19

<210> 51

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer :

<400> 51
ttgggggtgac attatgc

17

C29

<210> 52

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 52
tgagcagcac tgtaaagatg

20

<210> 53

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 53
gtggcttaaa gtgcttgggt

20

104

11